

**STATE ADVISORY COUNCIL ON
SCIENCE AND TECHNOLOGY**

Wednesday, December 11, 2002

2:00-4:30 p.m.

****Utah State Capital, Room 223****

Salt Lake City, Utah 84111

Members present:

Troy Takach, Chair, Parvus Corp
Susan Johnson, Futura Industries
Michael Brehm, BREHM Environmental
Michael Keene, State of Utah
Greg Critchfield, Myriad Genetics
Dennis Sauer, Alliant Tech (Retired)
Gary Hooper, BYU
Ray Gesteland, U of U
Brent Miller, USU
Gary Wixom, for CeCe Foxley
Rick Allis, Utah Geological Survey
Mark Bedel

Guests present:

Greg Lavine, SL Tribune
Susan Miller, State of Utah
Stan Burns, UDOT
Natasha Cleveland, U of U
Dean Collinwood, U of U

Welcome Members by Board Chair, Troy Takach

Recognition of Voting and Non-Voting Board Members

Approval of October 16, 2002 minutes

Sue Johnson made a motion to approve minutes, second by Gary Hooper

SAC Business

Member at Large Nomination

Sue Johnson nominated Michael Brehm to be the new member at large.

All voted in favor.

Committee Reports

Nominating Committee – Sue Johnson

The SAC received resignations from Jim Jensen and Dennis Sauer. Pete Doenges will no longer be member at large.

Nominating committee reviewed several candidates for the available positions on the board. A letter was drafted to the Governor's office indicating that the top five candidates are Wayne Barlow, David Fisher, Carl Wittwer, Bill Barnett, Jonathan Callendar. The council recommends Fisher, Barnett and Barlow be the first to fill the spots with Callendar and Wittwer as alternates.

This letter has been drafted by Mike Keene with a short bio of each candidate and will be sent up after the board approves the nominees. These candidates fill the three positions that are currently vacant.

Gary Hooper moved to accept nominees. Second by Mike Brehm.
All voted in favor.

Governor's Medal Committee – Brent Miller

The announcement went out November 6 and second notice went out December 10. The web site is current. The next deadline is January 15 when all nominations are due in. After January deadline, committee will be selected to review the nominees and select the finalists. **The review committee was selected consisting of – Brent Miller, Mike Brehm, Ray Gesteland, Gary Hooper and Troy Takach**. Follow-up on installing the plaque up at the Capitol- Troy Takach reported that there is a moratorium on placing new things up at the Capitol until the renovation is complete. Troy will continue working on this project to get something in place before then.

Homeland Security Laboratory BSL4 – Troy Takach

The day after the last SAC meeting NIH changed the statement, which stated that they were no longer looking for regional BSL4 laboratories and USU elected not to pursue the RFP. Due to this change, this shutdown the need for the SAC to pursue the public comment period. The SAC did however keep the comment forum open for 45 days and received only 3 comments regarding this issue. A letter summarizing the process will be drafted and sent to the Governor's office. NIH did not release why they changed the RFP.

Masters of Science and Technology Program at the U of U – Natasha Cleveland

A presentation was made by Ms. Cleveland describing the new Masters program at the University of Utah. A handout was provided. This program is the first semester of offering this program and consists of 16 students, without any major advertising. This program is funded by the Alfred P. Sloan Foundation, first given in May 2001. The first year of funding was for program preparation and currently in the second year of funding. This is a Professional Science Degree developed at universities across the nation. The goal is to have 30 students coming out of this program each year. This focuses on science and mathematics instead of a business focus such as the MBA. The Dean of Graduate School and track directors screened each student entering into the program. Experience along with numbers was evaluated for entrance, not just grades. The goal is to expand the knowledge and understanding of science and mathematics in future decision-makers and have the students be competitive with other professional programs. There are about 40 other universities that offer this program. For more information visit the website www.sciencemasters.com. An Advisory Board has been formed to keep the program up to date with current issues in business and industry along with the

internship program, which is mandatory for graduation. Michael Keene is a participant on the Advisory Board. The first students are just graduating now because this program is so new. Data has not been collected on wage information or job placement.

Following the presentations there was discussion about the selection of students, managerial skills, interpersonal skills and business knowledge etc. and comparison to the MBA program.

State Science Advisor – Michael Keene

The CAC had a meeting on November 16, 2003. There is a report from the Army that shows the findings from an investigation of an exposure in July. Currently, the Chair is trying to get access to read this report. The investigation was conducted under a regulation that does not allow the report to be released to the public. The Centers of Excellence program is ramping up for the pre-proposal submittal due January 10, 2003 with the full proposals due February 21, 2003. Gary Hooper talked about the PACE program at BYU. Several hundred million dollars was donated to BYU for this program in relation to the DMAC Center of Excellence. This creates an opportunity for design students and is applicable to several Centers of Excellence at BYU. Mike attended a meeting held in Texas sponsored by the Sigma Xi Forum about who will do science in the future. This is similar to the Governor's initiative in doubling the number of graduates in science and engineering. The city of Monticello is looking at building a Science Center, which will house several aspects of science, including astronomers to observe the skies because of the elevation and the lack of light, which allows for greater observation. This may also attract amateur rocket developers etc.

Parowan Gap-Susan Miller and Stan Burns from UDOT

The SAC created a resolution for the Parowan Gap that was not distributed to the proper authorities until recently. The Parowan Gap funding comes from the HWA. This program allows for counties and cities to ask for money for different projects. This program has about 2.5 million per year. The program allows only for local governments to apply for funding. The site is a well-known location in a natural gap outside of the town of Parowan. The goal was to stabilize the rock to keep it from coming down and to construct a parking lot and provide facilities and pathways to see the rock art. The proponents of the project local community take a site and develop for historical tourists gaining econ benefits of the community project archeologist could not work with the Native Tribes who hold the site as a sacred place. Tribes have a very large say in what happens to the sites. Tribes are generally open to other points of view placed on their heritage as long as their points of view are expressed as well. This did not happen. There were many quality documentation type problems that affected this project. There are several issues surrounding this area that includes the fact that the work on this rock art has not been completed or documented. The scientific issues are one problem, and no independent inventories that have been made. There is no doubt that prehistoric people did track their calendar here. There are several obvious issues

surrounding this site. The forms that reference this area are very poorly filled out and incomplete. The site is not stabilized as of this meeting date. Minor things have been done to stabilize the rock art but there aren't any funds to do much work. There is question about critical mass for this site. This has been given to the city and county's responsibility at this time with help from UDOT. At this time, $\frac{3}{4}$ of the money that was allocated to this site has been spent, no further funds are planned to be allocated to this site at this time. This is a significant concentration of rock art that deserves attention.

Resolution changed from council "charges" to "requests" UDOT ...

No further business meeting was adjourned.